

From boatanchors@theporch.com Sun Nov 5 00:50:00 1995
From: johnmb@nando.net
Subject: A4 paper bypass caps
Message-ID: <9511041303.AA18388@merlin.nando.net>

Hello Friends,
I am working on a late model 75A4 that works well on the low bands but is RF deaf on 11-10 meters. I noticed lurking inside, are an assortment of those dreaded tubular paper caps (13 of them or so?). While I am not sure whether they have any bearing on the problem I am starting to try and sniff out, what is the List Wisdom of a wholesale replacement of them? Having been with this list since week one, I know few topics are answered with total unanimity, some do have more of a consensus than others... hoping this is one of 'em.

Should I test 'em (I doubt any are shorted though..) and leave 'em in, or swap them out?

72/john wb5oau/4

From boatanchors@theporch.com Sun Nov 5 00:50:00 1995
From: Dave Hockaday <wb4iuy@nando.net>
Subject: Re: A4 paper bypass caps
Message-ID: <9511041704.AA21022@merlin.nando.net>

>Should I test 'em (I doubt any are shorted though..) and leave 'em in,
>or swap them out?
>
>72/john wb5oau/4

HI John! While I've never owned a 75A4, my experiences with an old Hallicrafters SX-42 and a couple of old Hammerlund rx's taught me that one would be way ahead of the game by replacing them all. I have had multiple successive failures due to _not_ having a cap massacre up front, heehee. Just my \$.02 :-)

73 de WB4IUY

From boatanchors@theporch.com Sun Nov 5 00:50:00 1995
From: hawley@aries.scs.uiuc.edu (Chuck Hawley)
Subject: Re: A4 paper bypass caps
Message-ID: <199511041722.LAA27439@aries.scs.uiuc.edu>

>

> Hello Friends,
> I am working on a late model 75A4 that works well on the low bands
> but is RF deaf on 11-10 meters. I noticed lurking inside, are an
> assortment of those dreaded tubular paper caps (13 of them or so?). While
> I am not sure whether they have any bearing on the problem I am
> starting to try and sniff out, what is the List Wisdom of a wholesale
> replacement of them? Having been with this list since week one, I know
> few topics are answered with total unanimity, some do have more of
> a consensus than others... hoping this is one of 'em.
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> Should I test 'em (I doubt any are shorted though..) and leave 'em in,
> or swap them out?
>
> 72/john wb5oau/4
>

A friend of mine (N4VMY, Bill) has done a number of 75A4's and recommends wholesale replacement of these....you can look at the grid of the plate to grid coupling caps and you should not find any positive voltage on the grid. If positive, then the cap is leaking. I had a 75A4, sold it to Bill and he replaced all the coupling caps. I had thought that it sounded ok, but really didn't know why everybody was so in love with the radio. He told me that after he changed out the paper caps he knew that I had no idea how a 75A4 really sounded. I had some kind of problem too, can't remember just what, might have been a marginal notch or something, but I didn't seriously think that I should have changed all the caps. I now wish I had done that....why not?
Chuck, KE9UW

From boatanchors@theporch.com Sun Nov 5 00:50:00 1995
From: johnmb@nando.net
Subject: A4 problem solved.
Message-ID: <9511042343.AA21712@merlin.nando.net>

A suggestion from Dave (W3BJZ), among others, and some staring at the schematic led me to think about a 24 uF padder in the RF stage. I couldn't get that stage to peak, and that cap is common only to the three trouble positions (10m (A), 10m (B) , and 11m). Hmmm....

I was going to replace it, as it was one of the red silver micas reputed to be unreliable, but decided first just to reflow one of its solder joints that looked suspect. Volia! Where once the CAL signal was S-0 on all three bands, was now a nice S9+ tone. Whether the joint was actually bad, or the heat just opened up a shorted cap, I dunno, but I was able to peak and align the thing for the first time.

S/N 5244 lives!

This list is great....
/john

wb5oau/4

From boatanchors@theporch.com Sun Nov 5 00:50:00 1995
From: Dave Hockaday <wb4iuy@nando.net>
Subject: Re: A4 problem solved.
Message-ID: <9511050031.AA29041@merlin.nando.net>

>S/N 5244 lives!
>
>This list is great....
>/john
>
>wb5oau/4

This list rules!
de WB4IUY

From boatanchors@theporch.com Sun Nov 5 00:50:00 1995
From: bill@texan.frco.com (William Hawkins)
Subject: Another feeding frenzy casualty
Message-ID: <9511041849.AA02527@texan.frco.com>

Went to the local antique radio swapmeet looking for tubes and parts.
The guy with NOS electrolytics had very little left with 450 volt
ratings. Seems they are now up in the \$20 price range. So it goes.

One guy brought some science fiction hardbacks from the seventys, so
it wasn't a total loss. Another seller had old records, and a record
player. The song "Cigareets and Whiskey and Wild, Wild Wimmen" was
heard through the room, then the record player was sold.

Bought an old ceramic lightning arrester - asked the seller if he'd
bet the house on it, and got a disclaimer. Later tried Radio Shack,
but they didn't know what I was talking about.

Bill Hawkins

From boatanchors@theporch.com Sun Nov 5 00:50:00 1995
From: paul Veltman <veltman@netcom.com>
Subject: Re: Another feeding frenzy casualty
Message-ID: <Pine.3.89.9511041122.A22564-0100000@netcom4>

> it wasn't a total loss. Another seller had old records, and a record
> player. The song "Cigareets and Whiskey and Wild, Wild Wimmen" was
> heard through the room, then the record player was sold.
>

And the \$64,000 question is:

Did the buyer buy that record player because he liked record players, or
to get rid of the music.

: -)

Paul WA60KQ

From boatanchors@theporch.com Sun Nov 5 00:50:00 1995
From: USSAILIS@forum.phast.umass.edu
Subject: Antique electronic supply
Message-ID: <01HX969670KY8Y4Z90@oitvms.oit.umass.edu>

Where are they and where do I get a catalog?? Thanks.

Jim, W1EQ0

From boatanchors@theporch.com Sun Nov 5 00:50:00 1995
From: David Josephson <david@josephson.com>
Subject: Bruel & Kjaer BA's
Message-ID: <199511040809.AA21886@jive.rahul.net>

Greetings,

Wonder if anyone else here is working with Bruel & Kjaer acoustic
test gear from the 50's and 60's. It's fine stuff, mostly fixable
(except early pieces with phenolic pc boards that have been left
on forever, almost unsalvageable except by running new wire
from every tube and power resistor pcb pad) and produces excellent
results today. I make microphones, and the primary gear for the
anechoic chamber system is B&K firebottle variety. Always looking
for more for me and friends, have much to trade, also schematics,
service info, etc.

Wants at this point are another 1013 BFO (200 Hz - 200 kHz),
odd plug-in potentiometers for 2305 recorder, 4138 mics (1/8"),
cables, drive shafts, connectors, etc.

--

David Josephson / Josephson Engineering / San Jose CA / david@josephson.com

From boatanchors@theporch.com Sun Nov 5 00:50:00 1995

From: andy@taligent.com

Subject: Early Radio Exhibit in SF

Message-ID: <9511041814.AA24740@turtle.taligent.com>

>From this morning's San Francisco Chronicle, somewhat abbreviated,

"Invention of Radio Celebrated in S.F.

100th birthday exhibit this weekend

San Francisco has celebrated the 50th anniversary of the end of World War II and the founding of the United Nations, but now comes another remembrance: the 100th anniversary of the first radio signal beamed by inventor Guglielmo Marconi.

The Radio transmission was one of the most significant inventions of the last century - and the progenitor for the telecommunications revolution of this century.

In 1895, Marconi, [...] successfully sent a signal for a distance of more than a mile.

An extraordinary exhibit of early-days radio equipment will be on display this weekend only, from 10 a.m. to 6 p.m. at the Palace of Fine Arts Theater on Lyon Street.

It will be the only showing on the continent of the historic but seldom seen Cremona Collection - featuring more than 100 rare and exquisite antique radio instruments and artifacts assembled by General Francesco Cremona, a retired veteran of the Italian Army Signal Corps and authority on the history of worldwide military communications.

San Francisco has been designated as the site for this prestigious collection because of Marconi's special relationship to the Bay Area and its role in the early development of radio technology."

The article goes on to note that Marconi completed stations in 1914 near San Francisco that were used for communications with Hawaii and Japan.

Now, if only I had time to go see the exhibit.

-- Andy Heninger andy@taligent.com

From boatanchors@theporch.com Sun Nov 5 00:50:00 1995
From: FRANCIS4@AppleLink.Apple.COM (Francis, Dexter)
Subject: For Sale Postings Suggestion
Message-ID: <815517970.8081873@AppleLink.Apple.COM>

Whoa, Nellie!

I thought y'all were analog guys. The reaction to the "For Sale" posts and administrative response feel real BINARY to this RX.

I thought the reason for the BA.WANT.FORSALE list (did I get the name right?) was exactly so that folks could post and browse off line. My sense is that Jack doesn't want multiple postings or long lists and I don't disagree with that (in general) so why not put the big long lists on BA.WANT.FORSALE? and let the onesy-twoseies ride the regular postings?

Can't we self bias and apply some ALC and rectification here, gang?

-df

From boatanchors@theporch.com Sun Nov 5 00:50:00 1995
From: GDentHouTX@aol.com
Subject: GC Hamcon - Early BA report
Message-ID: <951104194226_81013196@emout05.mail.aol.com>

Fellow Anchorites:

WX was 1st real twinge of Winter we've had in S.TX thus far...I think I'll probably have the 1st fire of the season tonight(in the fireplace...not the bottles!). Rationalized standing outside freezing by figuring I would have been in a stand doing so anyway (opening day of deer season - don't know what that did for the turnout!) Sorta wish I had sprang the extra fifteen for a table inside though! The categories are:

Missing in action: Xmitters!!!!. Went trolling for SOMETHING to do 160M with my R-388 and came up empty. Not a Johnson to be seen (at least by me). No Drake TX/RX. No KWM's. Went early: Set-up for tailgate was at 6AM ... open for sales at 7. I piddled around the house for an extra cup of coffee and didn't get in till around 6:20. SP-600 I eyed was gone before I turned

around. Spoke w/ OM who bought it ...\$ 150 (pretty nice, but funky unfinished aluminum case, did have NBFM adapt though). He also bought an NC-183 ... \$ 125 (just fair). Interesting trade of the day: Dentron Clipperton (scratched) for 51J-4 (unseen)! Went late: HRO-60 (w/A,B,C,D - fair)... \$ 300. Still there when I left (after lunch): 51S1 (WE,nice) ... \$ 600 (I MIGHTILY resisted temptation!). Surprised to see it still there. Loads of WE 30L-1 .. \$ 500. 32S-1 ... didn't see the price. 75A-4 ... pretty nice, but audio problems and no reduction tuning ... \$ 375. TR-4C w/AC &MS-4 ... \$ 175 (resisting once again, I've got enough challenges getting my KWM-2A going on CW!). TR-7 w/RV-7 ... forget the price. HQ-129-X, HQ-170 ... didn't see a price. Same OM who sold the SP- and NC- early still had these when I left along with SB-303/SB-401 ... \$ 200 (didn't look at them closely, but was told one had a busted meter). Clegg Apollo and 22'er ... price unseen, but clean. NCX-5 ... sorta funky, another unknown.

PLUS...the usual assortment of Kaypro, daisy-wheel printers and assorted junkie.

I'm sure I missed a bunch, there are folks better qualified to fill you in than I; I let my old ticket lapse and have been QRT for 22 years...WA5TVM was a lot easier to sign than KC5RNX/AG...but I was happy to pass the 20WPM so maybe will have something with less dah-dits in it soon! :-)

73 to ya'll, Gerald KC5RNX (ex-WA5TVM, soon to be...who knows?)
GDentHouTX@aol.com/73502.2273@compuserve.com

From boatanchors@theporch.com Sun Nov 5 00:50:00 1995

From: George De Grazio <hambrew@qadas.com>

Subject: Glowbugs

Hi, Jeffrey-

I was intrigued and very interested in the glowbugs concept. I've been looking for some good tube projects (especially recently for receivers), and you wouldn't believe (or maybe you would) how difficult it has been. Would you or any of the subscribers to this list be interested in writing even a very brief article for our mag regarding this or other home brewing subjects?

We'd also be glad to plug the list in the mag.

Would like to hear from you.

73,

George De Grazio, WFOK

Hambrew Mag.

From boatanchors@theporch.com Sun Nov 5 00:50:00 1995

From: Jeffrey Herman <jherman@hawaii.edu>
Subject: Hambrew Magazine
Message-ID: <Pine.SV4.3.91.951103214648.9345A-100000@uhunix3>

If any of you folks have got a favorite design you wouldn't mind sharing with Hambrew Magazine send off a letter to the writer below. Remember, Publish or Perish. =:o
Jeff NH6IL

>From hambrew@qadas.comFri Nov 3 15:19:18 1995
From boatanchors@theporch.com Sun Nov 5 00:50:00 1995
From: Bob Roehrig <broehrig@admin.aurora.edu>
Subject: HRO clones & HRO wanted
Message-ID: <Pine.ULT.3.91.951103225857.18177E-100000@admin.aurora.edu>

Someone recently posted a note about having a Japanese manufactured clone of an HRO (WW2 vintage). I also had one of these and am REALLY sorry I ever got rid of it.

Thanks to Floyd, I have a few less gaps in my QST collection, and in the March 1946 issue, page 54, there is a photo of a German clone of the same HRO receiver. First time I was aware that any such thing existed.

Anyway, I am looking for an HRO-5 or HRO-W with coils, if anyone has one.

73 de Bob, K9EUI

From boatanchors@theporch.com Sun Nov 5 00:50:00 1995
From: Andy Wallace <wallace@mc.com>
Subject: I'll be on 3703 tonight.
Message-ID: <9511041527.AA10680@kali>

I have the Drake osky-latin' on 3703 kHz now, so I may try calling CQ on 3703 tonight after the Drake Net (0100-0230 UTC, 3865) is over with.

Call is KA1GTT, will be using the newly resurrected Eldico keyer and 2-NT/2-CQ/2-C.

See ya!

--Andy
wallace@mc.com

From boatanchors@theporch.com Sun Nov 5 00:50:00 1995
From: SJEVM5
Subject: Message from FENG at SJEVM5
Message-ID: <199511040750.BAA13089@uro.theporch.com>

Gone until November 13, 1995. Manager is Roy Jensen (408)256-3325/8-276-3325.
Or contact Tom Arnoldussen(6-1915)

The mail you sent has been archived.

This message was sent by the SAFE automatic machine: do not reply.

From boatanchors@theporch.com Sun Nov 5 00:50:00 1995
From: TOM.A.ADAMS@mail.admin.wisc.edu
Subject: On the air with Gertie
Message-ID: <FB4H0605.FB4H0619@mail.admin.wisc.edu>

to: boatanchors@theporch.com

Greetings, Hartley aficionados!

Well, Gallopin' Gertie has been on the air.

When you last tuned in to the soap opera, Gertie had developed a nasty note as soon as she was connected to an antenna. Addition of filament bypass caps, and a .01 mica plate bypass, cured that.

Wednesday night, while fooling around with the rig on about 3530 KHz, I let up on the key and was startled to hear "...K9T? K9T? de AA90A HOW COPY.. K". A quick 1 X 1 netted Gertie's first QSO. She got a 579C in Champaign, Illinois. Input was all of 4.5 watts, with perhaps 3 watts going to the 160 Window, and part of THAT was lighting the flashlight bulb tuning indicator.

The next evening (Thursday) I was out hunting with the rig. After a CQ call I heard "... K9TA IS IN THERE. HOW COPY? AR NA4G DE WS4S".

I got Conard about 579 and Bob about 569. Conard and I were able to exchange signal reports, but several attempts to raise Bob were unsuccessful. We had kinda interesting QRN levels, and the QRM was pretty heavy, so I'm not too surprised that Gertie wasn't being copied; frankly I was surprised that she was being copied at all!

I took a fast pass at the band on Friday, but wasn't able to stay; my second operator, Bozo the Wonder Dog, was at a dog show last week, and caught kennel cough. The poor pooch was pretty miserable and had to be cared for.

Just as a sidebar; I've gotta wonder about the folks on the dog show circuit these days, and what they're using for ethics. In the last two months my dog has caught highly contagious kennel cough, and on another occasion fleas, from OTHER show dogs. My other dog, Shane, was along to a show a couple of weeks ago, and is now on antibiotics for a chest infection (a serious matter for someone as elderly as him), and I suspect that he got it at the show. What kind of unprincipled idiot insists on showing his/her dog when the animal is sick or contagious? Better still, what in hell is the show vet doing to earn his/her honorarium? They're supposed to be screening the animals for health problems or parasite infestations before allowing them to compete.

Anyway... I learned a couple of things in the design and construction of Gertie.

Even tho the note is reasonably pure after the addition of bypass caps, it is STILL unstable; I'd say that if an Official Observer station hears it, the odds are about 50/50 that s/he'll write me a card.

The problem seems to be with my redesign of the basic Hartley oscillator circuit.

I made a couple of changes to make the rig safer, and to simultaneously limit tuning range (ie, trying to keep the sucker in the band!) and increase L/C ratio of the tank.

One of the changes made was the inclusion of a 250 pf mica cap across the tank circuit. I think this thing is changing value from RF current flow, causing the entire L/C tank to change frequency!

In addition, the plate, grid, and filament taps on the coil ALL have blocking caps, added to keep the DC potential of the tuning variable at or near ground. It appears that any or all of these caps, heating from RF current, can and will cause the rig to drift somewhat.

In short, I used too many capacitors in the rig! In doing so, I've undermined her stability.

Like innumerable Hartley rigs of the past, Gertie is gonna get revamped... again. Each rebuilding makes her a little bit better. Maybe this will be the LAST rebuild... and if you believe THAT one, I've got a bridge in Brooklyn I'd like to sell!

73's,

Tom, K9TA

From boatanchors@theporch.com Sun Nov 5 00:50:00 1995
From: Dick Dillman <ddillman@igc.apc.org>
Subject: R390As for sale
Message-ID: <199511042329.PAA20706@igc4.igc.apc.org>

/* Written 8:39 PM Nov 2, 1995 by rmmiller@ix.netcom.com in igc:rec.radio.swap
*/
/* ----- "R390As for sale" ----- */

I am posting this list for Dave Sipe, KE6QFZ in Sacramento, CA. He can be reached through a shell account at dsipe@calweb.com.

1 ea Collins Mfg R390A with meters, dust covers, and in very nice shape
\$450 plus UPS

2 ea Stewart Warner Mfg. R390As with meters, dust covers and in very nice shape \$300 each plus UPS

1 ea EAC Mfg R390A with meters, no dust covers, nice shape, \$250 plus UPS

From boatanchors@theporch.com Sun Nov 5 00:50:00 1995
From: jproc@worldlinx.com
Subject: Racal RA1231 Receiver
Message-ID: <Chameleon.4.01.2.951103111920.jproc@>

Dear BA's,

A friend of mine who has no Internet access has requested assistance in locating a manual for a Racal RA1231 receiver. Can anyone help?

Regards,

~~~~~  
Jerry Proc VE3FAB  
E-mail: jproc@worldlinx.com  
Radio Restoration Volunteer  
HMCS Haida, Toronto Ontario  
~~~~~

From boatanchors@theporch.com Sun Nov 5 00:50:00 1995
From: paul Veltman <veltman@netcom.com>
Subject: Sale of the Century.

Message-ID: <Pine.3.89.9511040949.A22929-0100000@netcom9>

In going through the morning mail, I see that the very expensive KW-1 is down to the bargain basement price of only \$8500 or some such. Down and down she goes, and where she stops, nobody knows. In the same vein, there was another post recently about an SX-28 for sale for "best offer over \$500." A real bargain for a great \$100 radio.

I was watching Wall Street Week last night, and the guest was the Managing Director of Delphi Management out of Boston, a Mr. Black, as I recall. In the intro, he was introduced as an "art collector". One of the panelists asked him about investing in art. His response was one to which ALL of us should pay heed. His response was that you should buy art because you love the particular work, not because you anticipate future increase in value. I submit to you that we should view boatanchors in the same manner.

73

Paul WA6OKQ

From boatanchors@theporch.com Sun Nov 5 00:50:00 1995
From: Henry van Cleef <vancleef@bga.com>
Subject: Re: SB-34 (was Re: First solid-state rig
Message-ID: <199511040503.XAA22645@zoom.bga.com>

As Bill Sorsby said

>

> Greetings.

>

>

> SIDEBAND ENGINEERS

> An operation of

> Raytheon Company

> So. San Francisco, Calif

>

> To me this explains their lack of innovation in subsequent products. A sad
> end for an originally innovative electronics company. But, probably just as
> well, they could never have been cost competitive with Japanese electronics
> in the '70's

>

Well, I think this is a bit of a kick where one isn't really justified.
If you will take a look at the small print, you'll find the same
information on:

Amana refrigerators and microwave ovens
Caloric stoves

Beech airplanes
Cossor magnetics

Raytheon has not always come up a winner with its acquisitions---witness Belmont Radio and Television, and Packard-Bell Computers. Both were converted to the Raytheon name, which the examples given above were not.

In general, Raytheon's acquisitions have left their management structures, policies, and lines of business in place. In the case of Amana, acquisition by Raytheon meant access to capital needed for expansion and to the microwave oven technology.

Unfortunately, all too often, acquisition by another company or a conglomerate has meant conversion into a cash cow sweatshop, disinvestment, and disappearance of both the company name and product line. That has never been Raytheon's game.

--

Hank van Cleef vancleef@bga.com vancleef@tmn.com

From boatanchors@theporch.com Sun Nov 5 00:50:00 1995
From: KC5IJD@aol.com
Subject: Re: SB-34 (was Re: First solid-state rig
Message-ID: <951104094429_97759369@mail04.mail.aol.com>

On the subject of SBE-34 type boatanchors, anyone here have a Davco DR-30? It was manufactured in the middle 60s. Though solid state, I would classify it in the same category as the Hammarlund HQ-215. It is one of those transitional sets.

I just acquired a beautiful one and wondered if any others out there have one as well. Would like to converse with anyone who does.

73

Joseph W Pinner
Lafayette, LA
KC5IJD
EMail: kc5ijjd@aol.com

From boatanchors@theporch.com Sun Nov 5 00:50:00 1995
From: ross@hypertools.com (David Ross)
Subject: SELL: T-R relays
Message-ID: <199511041712.JAA12591@desiree.teleport.com>

I have a few T-R relays for sale. They are Dow-Key (Div. of Kilovac) P/N 60-230142, in very nice shape, removed from equipment, datecode in late 70s/early 80s. SPDT coax section with N connectors, plus external DPDT contacts, 26 VDC coil. The NO and the NC contacts are both adjustable and the N connectors appear to have teflon insulators - contacts are gold, about 1/8" diameter.

Sell at \$35 each postpaid in the U.S. If you're interested, please reply directly to me.

Dave Ross KA6EPI ross@hypertools.com

From boatanchors@theporch.com Sun Nov 5 00:50:00 1995
From: Grant Youngman <gyoungma@gtetel.com>
Subject: Sideband Slicer Fun
Message-ID: <Chameleon.951104112505.gyoungma@gyoungma.gtetel.com>

Morning, everyone ..

I have spent this chilly Texas morning listening to 40/20 meter SSB on an HRO-60 newly enhanced with a Central Electronics Sideband Slicer. If any of you have been passing up the few available slicers at 'fests, etc., you ought to rethink that move. It's a revelation to hear full sounding sideband playing through the CE slicer and the HRO-60 audio. Still need to go into the HRO and slow down the AVC to a more reasonable level, but even as is it sounds good.

And to think that I had nearly decided to sell off the slicer since I finally located an HC-10 to go with the SP600. Oh, well. Guess this means I may also have to get the CE 20A sideband exciter on the air with one of the AM BA's doing duty as the shoes -- and that project was way down the list only yesterday ...

The real problem is finding a place to GO with all this stuff :-)

Grant

Grant Youngman -- NQ5T

WANTED: Hammarlund SPC-10

gyoungma@gtetel.com

From boatanchors@theporch.com Sun Nov 5 00:50:00 1995
From: w7ni@teleport.com (Stan Griffiths)
Subject: Re: Tek Scope
Message-ID: <199511042317.PAA02416@desiree.teleport.com>

>
>>
>>Below this line, instruments came originally with selenium rectifiers. If
>>the seleniums are still installed in the instrument, forget it, and keep
>>looking.
>
>
>Hi Stan,
>I own a 485, so my question is not about these scopes in particular, but
>is about the comment re: selenium rectifiers. What is your point regarding
>them? I know I have several pieces of BA gear with them... and I believe
>that their Magic Smoke is poisonous (at least that is what list-legend
>says) but I'd like to hear your reasoning for the above statement.
>
>Thanks very much for all your postings to the list. I find them very
>informative!
>Best
>/john
>
>

Hi John,

It's just my 30+ years of experience working with scopes that contain selenium rectifiers that causes me to make that statement. With age, selenium rectifiers develop some characteristic (high internal resistance?) that causes them to put out less and less rectified voltage.

Tek scopes depend upon having enough unregulated DC coming out of the rectifiers to make the regulator work properly. Also, Tek scopes of this vintage were specified to operate from 105 to 125 AC volts line voltage. I want mine to operate all the way down to 105, and they will, too, if the rectifiers aren't weak. The first sign of weak seleniums is the inability of the scope's power supplies to regulate at 105 volts line. (I use a

metered Variac to set the line down there when I am testing a scope.)
Later, as the seleniums age more, the scope power supplies won't regulate at 106. And so it goes, until they won't regulate at 115 at which point you scope is pretty useless.

The cure is to replace the seleniums with silicons and Tek made a lot of retrofit kits to do this over the years. The kit includes a wired subassembly and a set of simple Heathkit-like instructions to make the change. Some series resistance is added to the new silicon diodes since new silicon diodes put out more DC voltage than new seleniums did and leaving out the series resistance causes regulation problems on high line with silicons installed.

Since selenium rectifiers have not been used in Tek scope power supplies for about 36 years, it's a good bet that 99% of them are bad now. I still see an occasional scope that will work with seleniums at 110 VAC.

I hope this answers your question, John.

Stan W7NI@teleport.com

From boatanchors@theporch.com Sun Nov 5 00:50:00 1995
From: Lrware@aol.com
Subject: Re: Tek Scope's
Message-ID: <951104080548_12559899@mail02.mail.aol.com>

My .02 worth:

excerpt from Henry van Cleef:

>Something that Stan has brought up in the past the unwillingness of a
>lot of people to pay \$100 or \$150 for a scope that he has gone through
>and calibrated. Yes, you can buy 540-540 scopes and plug-ins at the
>hamfests for \$10 and \$25, bring them home and get to work on them. I
>have bought some of these, and I know exactly what I found inside.
>Keep in mind that Stan Griffiths has something like 30 or more years
>making Tek scopes work. I'd never enter a contest with him on how
>quickly I can debug a scope
end excerpt.

As someone who repaired and calibrated Tek scopes for years,
(mainly sand-state one's but the process is the same)
I can promise you a good Tek person is worth his weight in gold!
The skills to even know where to look take years to acquire.
Every Tek model & series has it's own "personality", and most require factory
test fixtures (not cheap),
to be set up right.

When someone like Henry or Stan offers to sell you a scope, you will get your moneys worth.

DISCLAIMER: I've never met Henry or Stan, I just know a little about Tek scopes.

Larry Ware
lrware@aol.com

From boatanchors@theporch.com Sun Nov 5 00:50:00 1995
From: BHall188620@aol.com
Subject: What model is the Hallicrafters radio on the AES cover?
Message-ID: <951103233956_97595523@mail06.mail.aol.com>

Just got my 1996 Antique Electronic Supply Catalog in the mail, and am finding myself fascinated by the Hallicrafters on the left hand side of the cover... (What a neat looking set!) Can anyone tell me what model it is?

I think I have got it bad... I am getting fascinated by pictures of BA's...

73,
Ben

BHall188620@aol.com * Insert clever signature here.

From boatanchors@theporch.com Sun Nov 5 00:50:00 1995
From: Bill VanAlstyne <bill@cruz.com>
Subject: Re: What model is the Hallicrafters radio on the AES cover?
Message-ID: <199511040541.AA15099@cruz.com>

At 10:42 PM 11/3/95 -0600, BHall188620@aol.com wrote:
>Just got my 1996 Antique Electronic Supply Catalog in the mail, and am
>finding myself fascinated by the Hallicrafters on the left hand side of the
>cover... (What a neat looking set!) Can anyone tell me what model it is?

According to the equipment list printed on the *inside* of the front cover, it's an SX-88. ;-)

Bill N6FN
bill@cruz.com

From boatanchors@theporch.com Sun Nov 5 00:50:00 1995
From: Bob Roehrig <broehrig@admin.aurora.edu>
Subject: Re: WTB: Drake 2B parts radio

Message-ID: <Pine.ULT.3.91.951103223318.18177D-100000@admin.aurora.edu>

On Fri, 3 Nov 1995, Jim Lockwood wrote:

> Gang,
>
> Recall my question of a week or so ago about a balky 40M Xtal in my 2B?
> Well, I've got another Drake 2B-related problem. This time I need either
> a parts radio or, more particularly, the preselector variable capacitor out
> of a parts radio.
> only dirtier.

etc.....

> Rats. I was sold a bill of goods. I bought a parts radio only to find that
> it really isn't. I've got a good mind to reveal the name of the BA member
> who sold it to me so no one else will get stung like I did. Stung? Yep.
> Now I gotta fix the darn thing. Like I really was looking for another
> project. Nope, it can't just sit on my shelf living the life of an organ donor.
>
> Jim - km6nk
>

Hey Jim, are you trying to say that if the radio had been properly
disposed of, like with sledge hammers, hand grenades, TNT, etc., you
would not have to fix it up? :-)

Bob, K9EUI

From boatanchors@theporch.com Sun Nov 5 00:50:00 1995

From: jml@spider.lloyd.com (Jim Lockwood)

Subject: Re: WTB: Drake 2B parts radio

Message-ID: <m0tBku9-000TsGC@spider.lloyd.com>

>> Rats. I was sold a bill of goods. I bought a parts radio only to find that
>> it really isn't. I've got a good mind to reveal the name of the BA member
>> who sold it to me so no one else will get stung like I did. Stung? Yep.
>> Now I gotta fix the darn thing. Like I really was looking for another
>> project. Nope, it can't just sit on my shelf living the life of an organ
donor.

>>

>> Jim - km6nk

>>

> Hey Jim, are you trying to say that if the radio had been properly
> disposed of, like with sledge hammers, hand grenades, TNT, etc., you
> would not have to fix it up? :-)

> Bob, K9EUI

>

Yep, that's about the size of it. If the shyster who suckered me into buying this "parts radio" had done his job properly, this thing would have permanently dead. As it is, it not only has a pulse, but has the potential for being a useful, productive member of radio society again.

: -)

Jim - km6nk

From boatanchors@theporch.com Sun Nov 5 00:50:00 1995
From: jschwart@ix.netcom.com (John Schwartzberg)
Subject: WTB: SW-3 parts
Message-ID: <199511041458.GAA10029@ix5.ix.netcom.com>

I'm looking for the following parts to complete resoration of a National SW-3:

Knobs - regen control and antenna matching knobs - similar to main tuning knob on National BM type dial, I believe.

Resistor - 12,000 ohm wirewound tappable resistor - 25 watt or so?

Coils - any 60/70 series coils

Coil forms - any National 6 pin coil forms suitable for SW-3, SW-4, SW-45, SW-54 coils

Thanks to any and all who can help.

John
N0GII